



Fill in the tables for the tangent function (one in degrees and one in radians). Then make a graph for each. Describe what you notice.

degree	$\sin \theta / \cos \theta$	tangent value	Radian	$\tan (\theta)$
0	0/1	0	0	
30	$(1/2)/(\sqrt{3}/2)$.58		
45	$(\sqrt{2}/2)/(\sqrt{2}/2)$	1	$\pi/4$	
60				
90			$\pi/2$	
120				
135			$3\pi/4$	
150				
180			π	
210				
225			$5\pi/4$	
240				
270			$3\pi/2$	
300				
315			$7\pi/4$	
330				
360			2π	

Homework